	Application No.	Applicant(s)	
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Notice of Allowability	10/708,210	LAI ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Granvill D Lee, Jr	2825	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commul GHTS. This application is so	this application. If not included nication will be mailed in due cou	ırse. THIS
1. This communication is responsive to <u>7/26/2004</u> .		•	
2. The allowed claim(s) is/are <u>9-15 and 25-36</u> .			
3. A The drawings filed on 17 February 2004 are accepted by t	he Examiner.		
 4. ☐ Acknowledgment is made of a claim for foreign priority unallocation. a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	e been received. e been received in Application	n No ,	n from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requir	ements
5. A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which give			ICE OF
6. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached			
1) 🗌 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner' Paper No./Mail Date	s Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in (ck) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			e the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit	6. ☐ Interview Su Paper No./ 08), 7. ⊠ Examiner's	formal Patent Application (PTO-1 Immary (PTO-413), Mail Date Amendment/Comment Statement of Reasons for Allowa	
of Biological Material	9. 🗍 Other	·	

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview/E-mail with Belinda Lee on October 4th and 5th 2004.

The application has been amended as follows:

Cancel claims 1-8.

Note: This corrects through cancellation, claims that were originally withdrawn.

Insert into claim 9, last line at "buried bit." --buried bit line.—

Note: This clarifies the terminology used.

Allowable Subject Matter

Claims 9-15 and 25-36 are allowed.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: The prior art of record does not describe or suggest *inter alia* the invention of a fabrication method for a buried bit line, comprising forming a patterned mask layer on a substrate forming a shallow doped region in region not covered by

the mask layer, forming a liner layer with a predetermined thickness on a side of the mask layer, forming a deep doped region in the substrate, where both the shallow and deep doped regions serve as a buried bit line, as claimed in claim 9, or a plurality of insulation, gate oxide and word line structures as claimed in claim 25, or a electron trapping layer, as claimed in claim 31. The claims, therefore define over the prior art. Any comments considered necessary by applicant must be submitted no later than the payments of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications for the examiner should be directed to Granvill Lee whose telephone number is (571) 272-1897. The examiner can be normally reached on Monday thru Thursday from 7:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are not successful, the examiner's supervisor, Matthew Smith can be reached on (571) 272-1907. The fax phone number for this group is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public Art Unit: 2825

PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Examiner Granvill Lee Art Unit 2825

Gl 9/28/04

> MATTHEW SMITH SUPERMISORY PATENT EXAMINER MATTHEWAY CENTER 2800